

Title (en)
ANODES OF LI-ION BATTERIES

Title (de)
ANODEN FÜR LI-IONEN-BATTERIEN

Title (fr)
ANODES DE BATTERIES Li-ION

Publication
EP 2715839 B1 20160323 (FR)

Application
EP 12731049 A 20120523

Priority
• FR 1154525 A 20110524
• FR 2012051161 W 20120523

Abstract (en)
[origin: WO2012160315A1] The invention relates to the use of a methylated amorphous silicon alloy as the active material in an anode of a Li-ion battery. The invention also relates to lithium storage batteries and anodes manufactured using said material. The invention further relates to a method for manufacturing said electrodes by low-power PECVD.

IPC 8 full level
H01M 4/36 (2006.01); **H01M 4/04** (2006.01); **H01M 4/134** (2010.01); **H01M 4/1395** (2010.01); **H01M 4/38** (2006.01); **H01M 4/60** (2006.01); **H01M 4/66** (2006.01); **H01M 10/052** (2010.01)

CPC (source: EP KR US)
H01M 4/04 (2013.01 - KR); **H01M 4/0421** (2013.01 - EP US); **H01M 4/0428** (2013.01 - EP US); **H01M 4/134** (2013.01 - EP KR US); **H01M 4/1395** (2013.01 - EP KR US); **H01M 4/366** (2013.01 - US); **H01M 4/38** (2013.01 - EP KR US); **H01M 4/386** (2013.01 - EP US); **H01M 4/602** (2013.01 - US); **H01M 4/66** (2013.01 - KR); **H01M 4/661** (2013.01 - EP US); **H01M 10/052** (2013.01 - EP KR US); **Y02E 60/10** (2013.01 - EP US); **Y02P 70/50** (2015.11 - US)

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
WO 2012160315 A1 20121129; EP 2715839 A1 20140409; EP 2715839 B1 20160323; FR 2975833 A1 20121130; FR 2975833 B1 20130628; JP 2014519159 A 20140807; JP 6010611 B2 20161019; KR 20140039204 A 20140401; US 2014079997 A1 20140320; US 9761877 B2 20170912

DOCDB simple family (application)
FR 2012051161 W 20120523; EP 12731049 A 20120523; FR 1154525 A 20110524; JP 2014511940 A 20120523; KR 20137031241 A 20120523; US 201214119526 A 20120523